

What we claim as our invention is:

1. A linear motion wind-driven power generator comprising a plurality of sails pivotally supported on two sprocket-type endless chains, each of said chains and said sails rotating about sets of sprocket wheels spatially disposed at different planes said sprocket wheels having their axles inclined at angles greater than zero degrees from the direction of the wind.
2. A linear motion wind-driven power generator as recited in Claim 1 wherein the axle of at least one of said sprocket wheels is mechanically connected to the rotor of an electrical power generating motor.
3. A linear motion wind-driven power generator as recited in Claim 1 wherein each of said chains is engaged to and rotates about a set of two sprocket wheels, each set of said sprocket wheels being spatially disposed at different planes and having their axles inclined at angles greater than zero degrees from the direction of the wind.
4. A linear motion wind-driven power generator as recited in Claim 1 wherein each of said sprocket-type chains is engaged to and rotates about a set of four sprocket wheels, each set of said sprocket wheels being spatially disposed at two different planes and having their axles inclined at angles greater than zero degrees from the direction of the wind.
5. A linear motion wind-driven power generator as recited in Claim 1 wherein the motion of the sprocket chains/sails assembly is substantially in a horizontal direction.
6. A linear motion wind-driven power generator as recited in Claim 1 wherein the motion of the sprocket chains/sails assembly is substantially in a vertical direction.

7. A linear motion wind-driven power generator as recited in Claim 6 wherein said power generator is supported on a horizontal shaft located at an elevation greater than the elevation of the center of said linear motion generator.